AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-17. (Cancelled).

18. (Previously Presented) A transmyocardial implant for defining a blood flow pathway directly from a heart chamber through a heart wall to a coronary vessel, the implant comprising:

a coronary portion sized to be received within the vessel;

a myocardial portion sized to pass through the myocardium; and

a transition portion connecting the coronary portion and the myocardial portion, the transition portion defining an opening permitting bending between the coronary portion and the myocardial portion;

wherein the myocardial portion includes a lining for controlling tissue growth in the myocardial portion, and

wherein the myocardial portion includes an agent for limiting thrombus formation.

- 19. (Previously Presented) The implant according to claim 18, wherein the lining has a length substantially equal to a width of the heart wall.
- 20. (Previously Presented) The implant according to claim 18, wherein an axis of the coronary portion forms an angle with an axis of the myocardial portion.

761285-1 2

- 21. (Previously Presented) The implant according to claim 18, wherein the myocardial portion is sized to extend into the heart chamber.
- 22. (Previously Presented) The implant according to claim 18, wherein the coronary portion and the myocardial portion are expandable.
- 23. (Previously Presented) The implant according to claim 18, wherein the coronary portion is expandable from a first diameter to an enlarged second diameter.
- 24. (Previously Presented) The implant according to claim 18, wherein the myocardial portion is expandable from a first diameter to an enlarged second diameter.
- 25. (Previously Presented) The implant according to claim 18, further comprising an agent for encouraging healing.
- 26. (Previously Presented) The implant according to claim 25, wherein the agent for encouraging healing is a growth factor.
- 27. (Previously Presented) The implant according to claim 18, wherein the lining contains the agent.

761285-1

- 28. (Previously Presented) The implant according to claim 18, wherein the agent is heparin.
- 29. (Previously Presented) The implant according to claim 18, wherein the agent is an anti-coagulant.
- 30. (Previously Presented) The implant according to claim 18, wherein the agent is an anti-platelet.
- 31. (Previously Presented) The implant according to claim 18, wherein the lining includes a polyester fabric.
- 32. (Previously Presented) The implant according to claim 18, wherein the lining includes PTFE.
- 33. (Previously Presented) The implant according to claim 18, wherein the lining is on an interior portion of the myocardial portion.
- 34. (Previously Presented) The implant according to claim 18, wherein the transition portion includes a coil.

35. (New) A method for supporting a wall of a vascular structure at an area adjacent an incision in the wall of the vascular structure, the method comprising steps of:

inserting a support through the incision in the wall of the vascular structure while the support is in a low profile orientation;

positioning at least a portion of the support within the interior of the vascular structure; and

moving the support from the low profile orientation into an expanded orientation so as to contact and support the wall of the vascular structure.

- 36. (New) The method of claim 35, further comprising introducing a medical device into the interior of the vascular structure by passing the device through the support.
- 37. (New) The method of claim 36, wherein the vascular structure is a coronary artery and the medical device is a conduit delivery device that is passed through the coronary artery.
- 38. (New) A conduit for placing a coronary vessel of a patient's heart in communication with a heart chamber, the conduit comprising:

a tubular element configured to positioned in the wall of a patient's heart, the tubular element including first and second ends and a bore defining a blood flow path; and

761285-1 5

a vessel supporting mechanism carried by the tubular element, the vessel supporting mechanism being positioned on the conduit so as to contact and support the wall of a coronary vessel when the conduit is positioned in the heart wall.

- 39. (New) The conduit of claim 38, wherein the tubular element is a rigid, solid walled structure.
- 40. (New) The conduit of claim 38, wherein the tubular element is an expandable stent including a plurality of struts, and the vessel supporting mechanism comprises some of the struts.

761285-1